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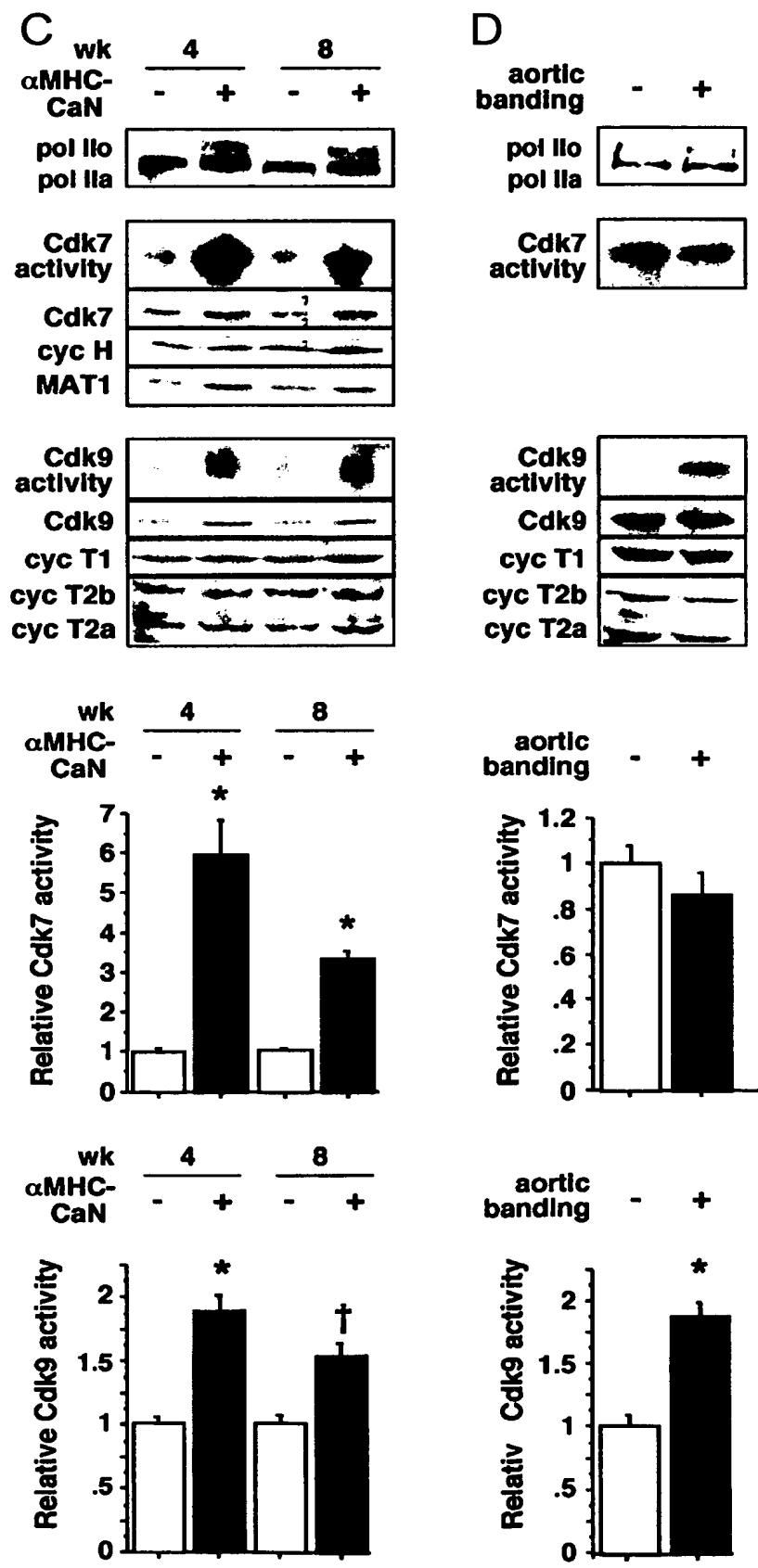
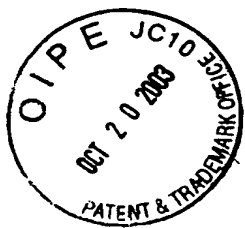


FIG. 1

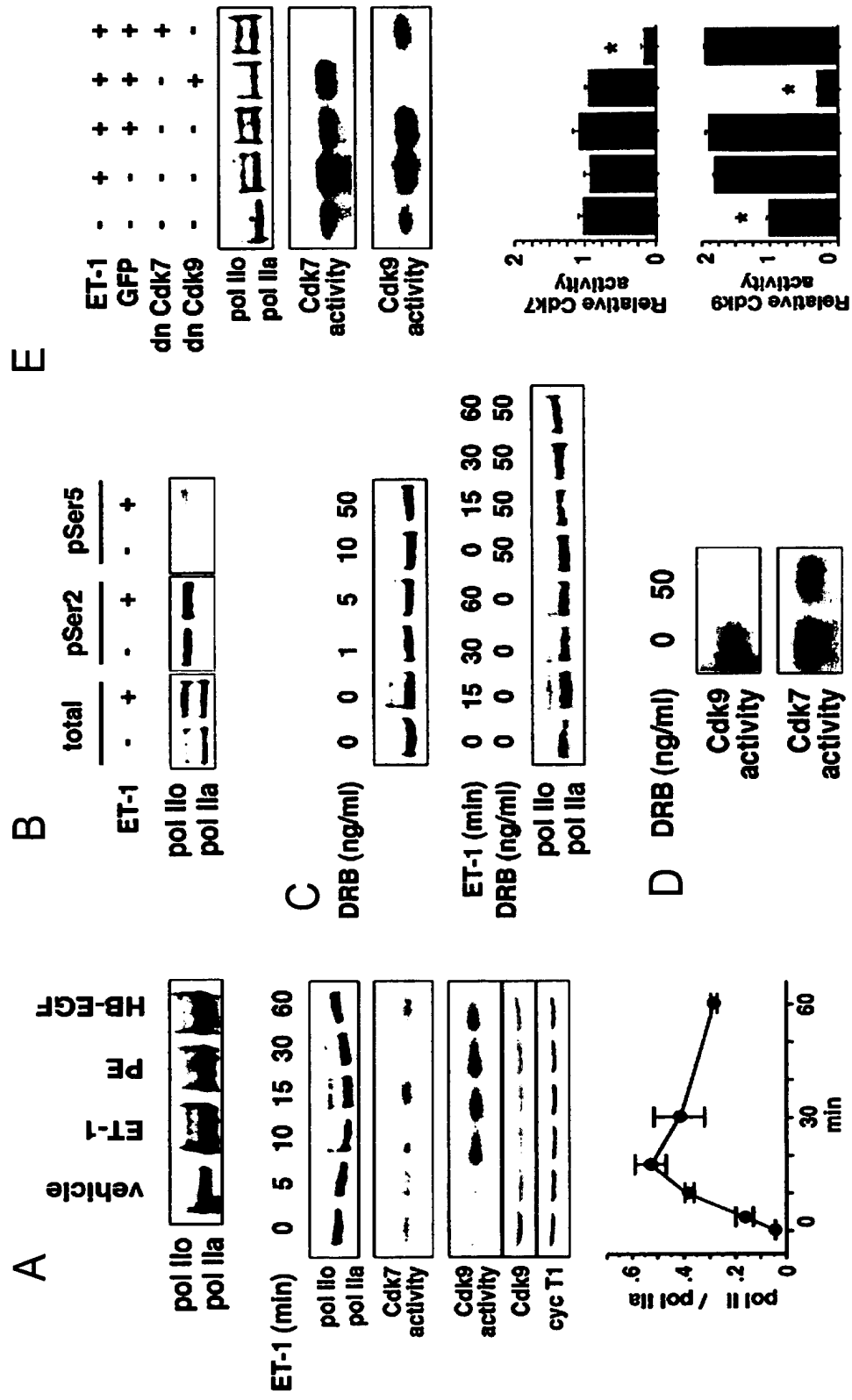
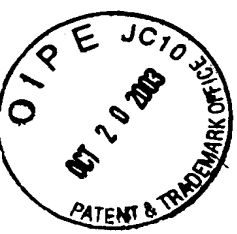


FIG. 2

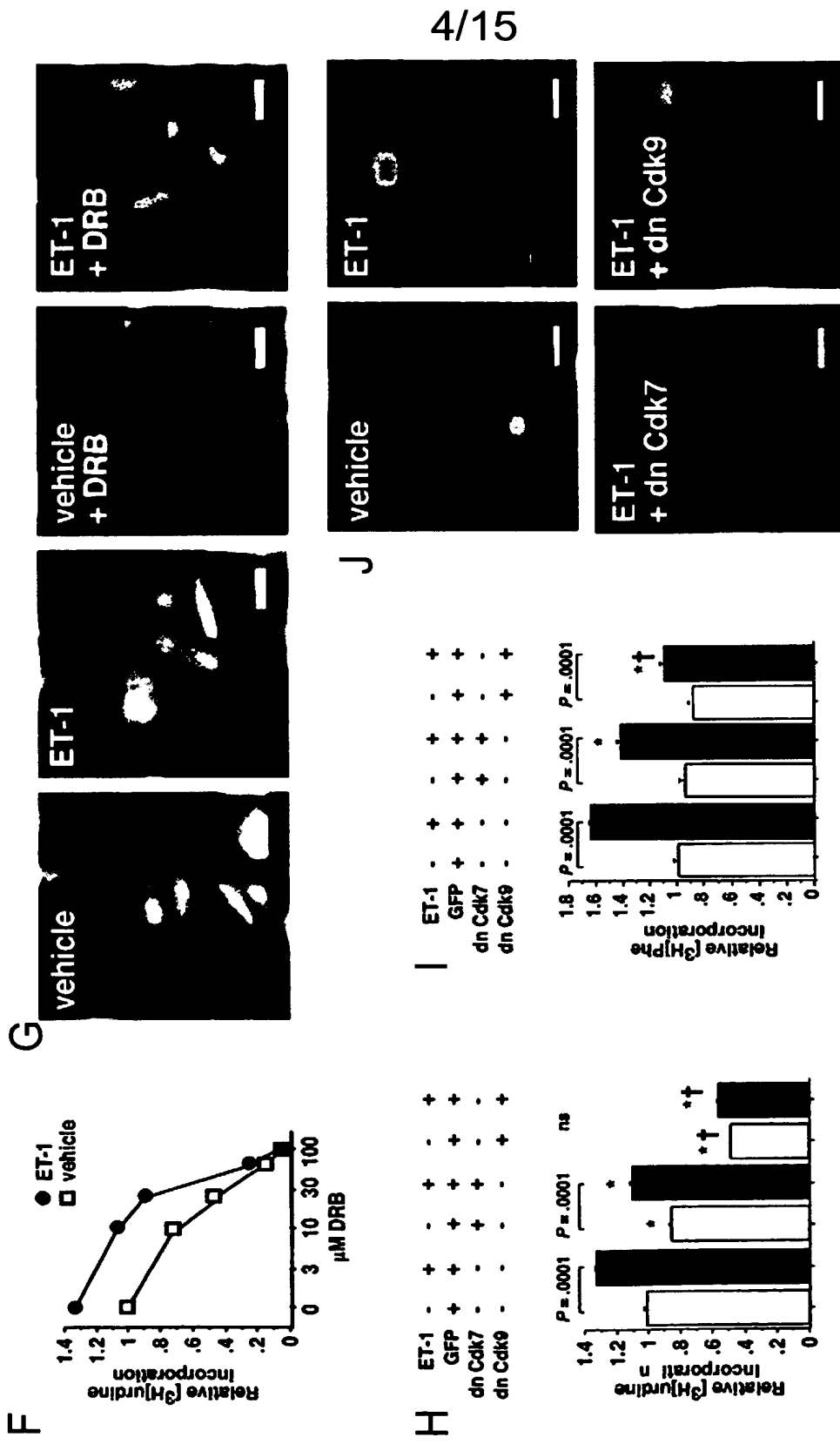
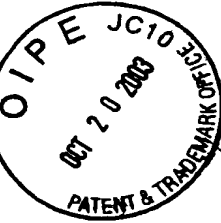
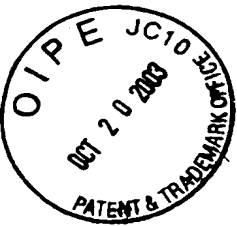


FIG. 2



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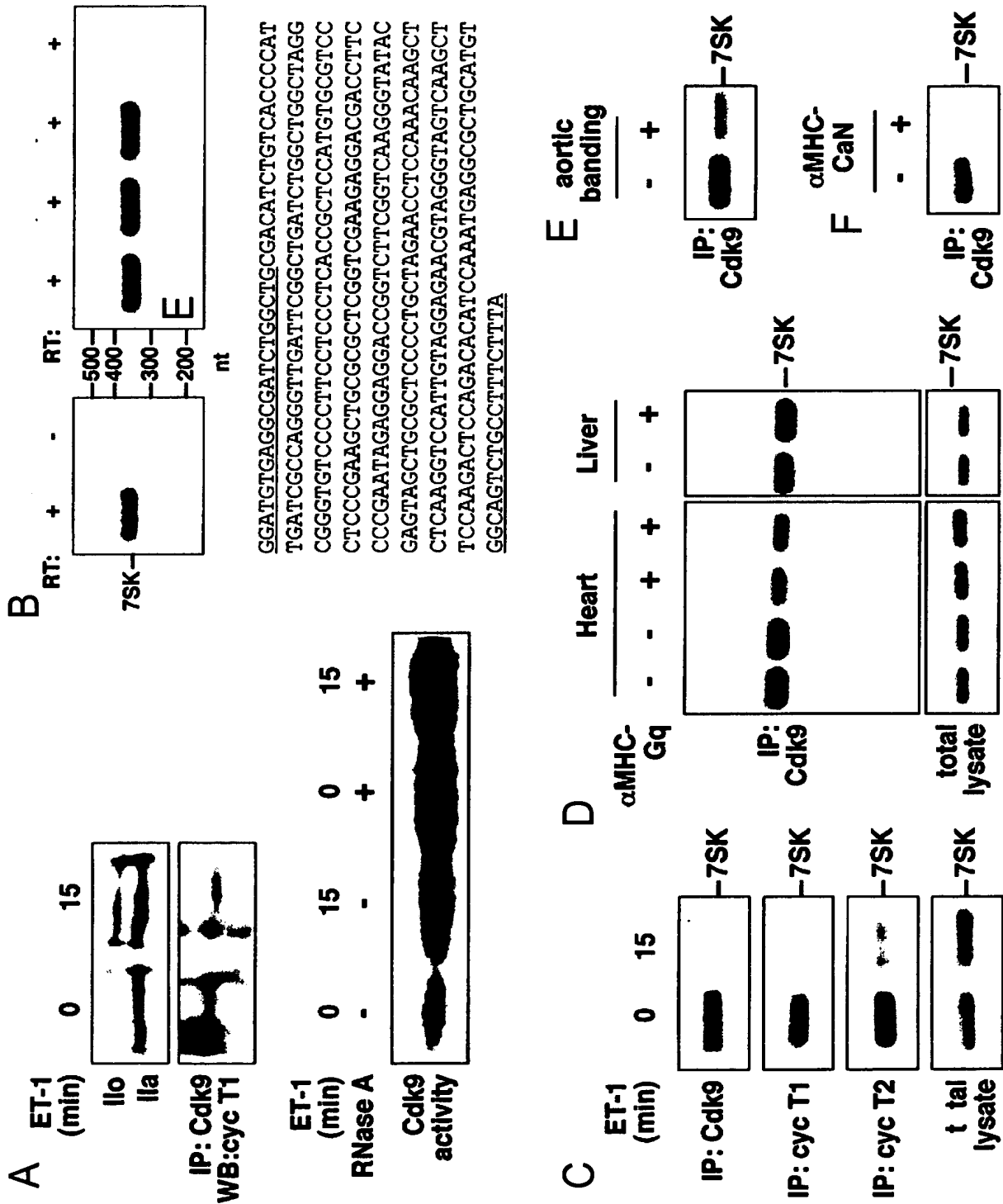
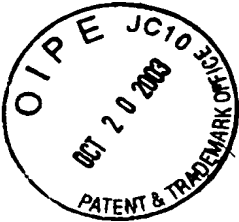


FIG. 3



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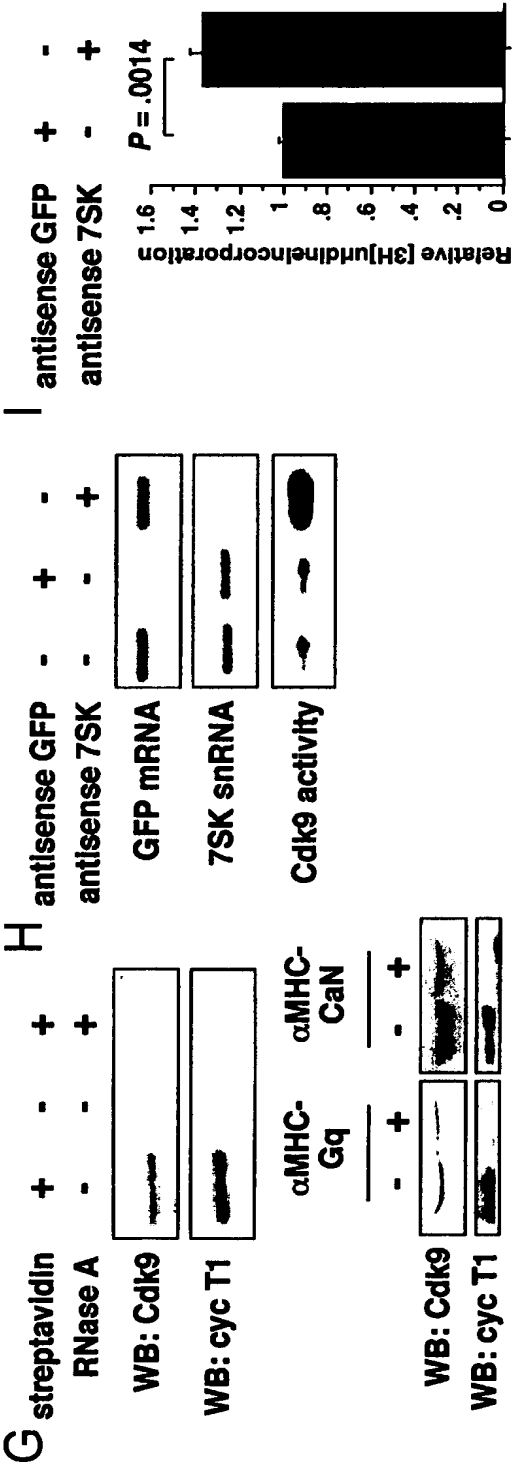
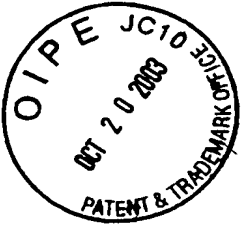


FIG. 3



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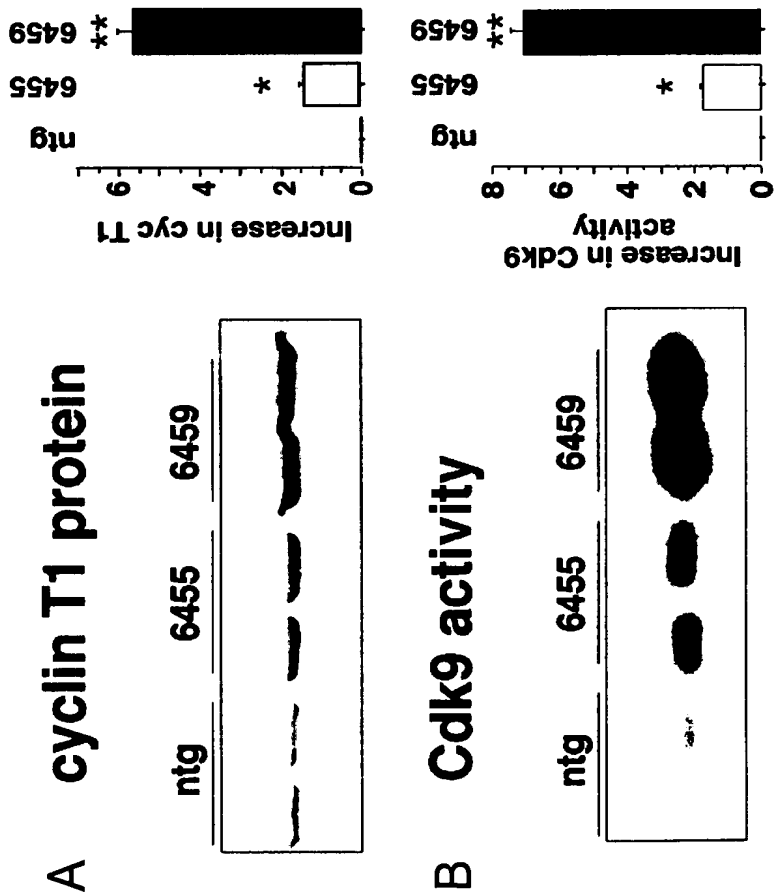
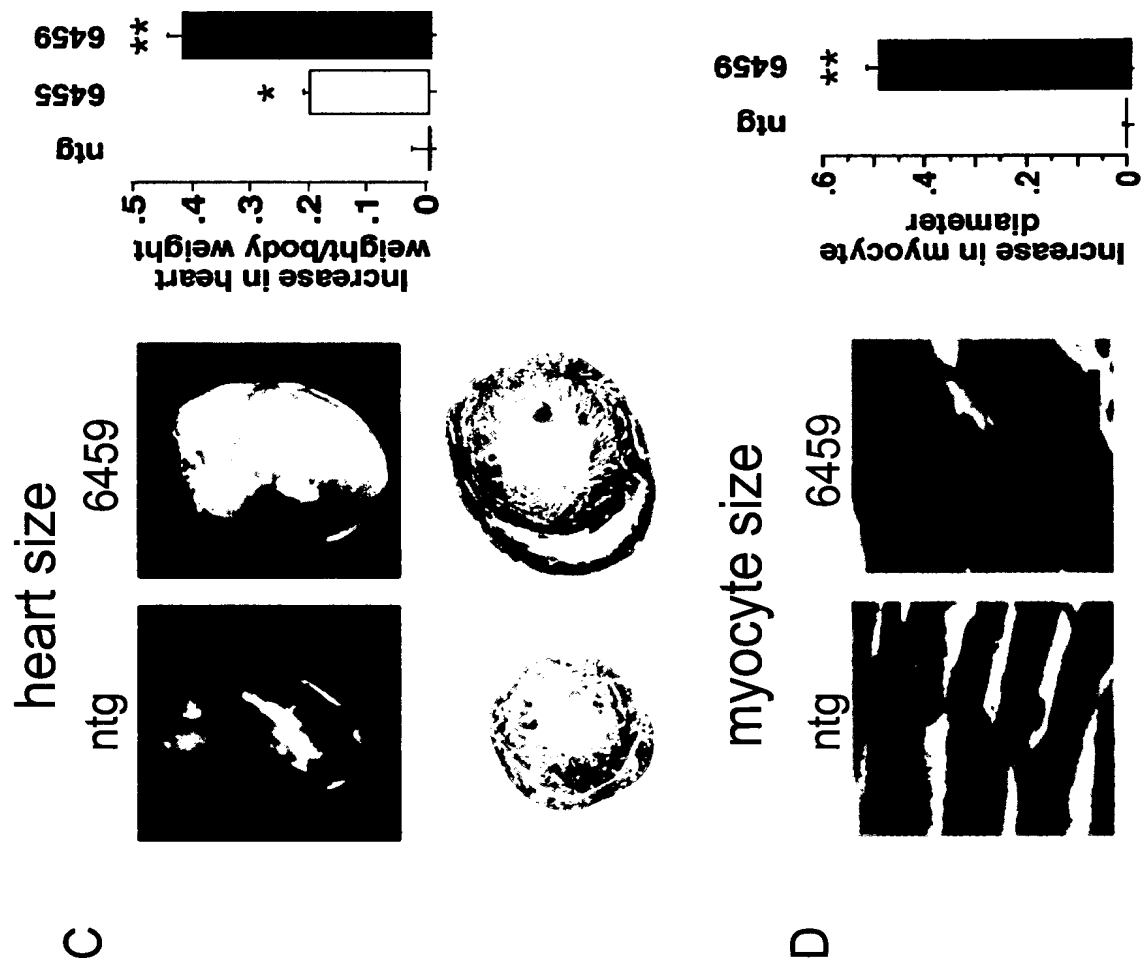
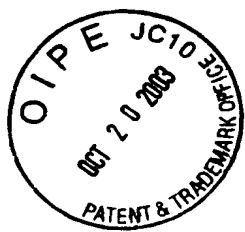
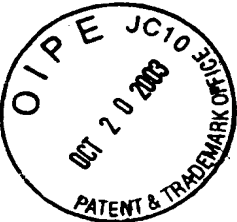


FIG. 4





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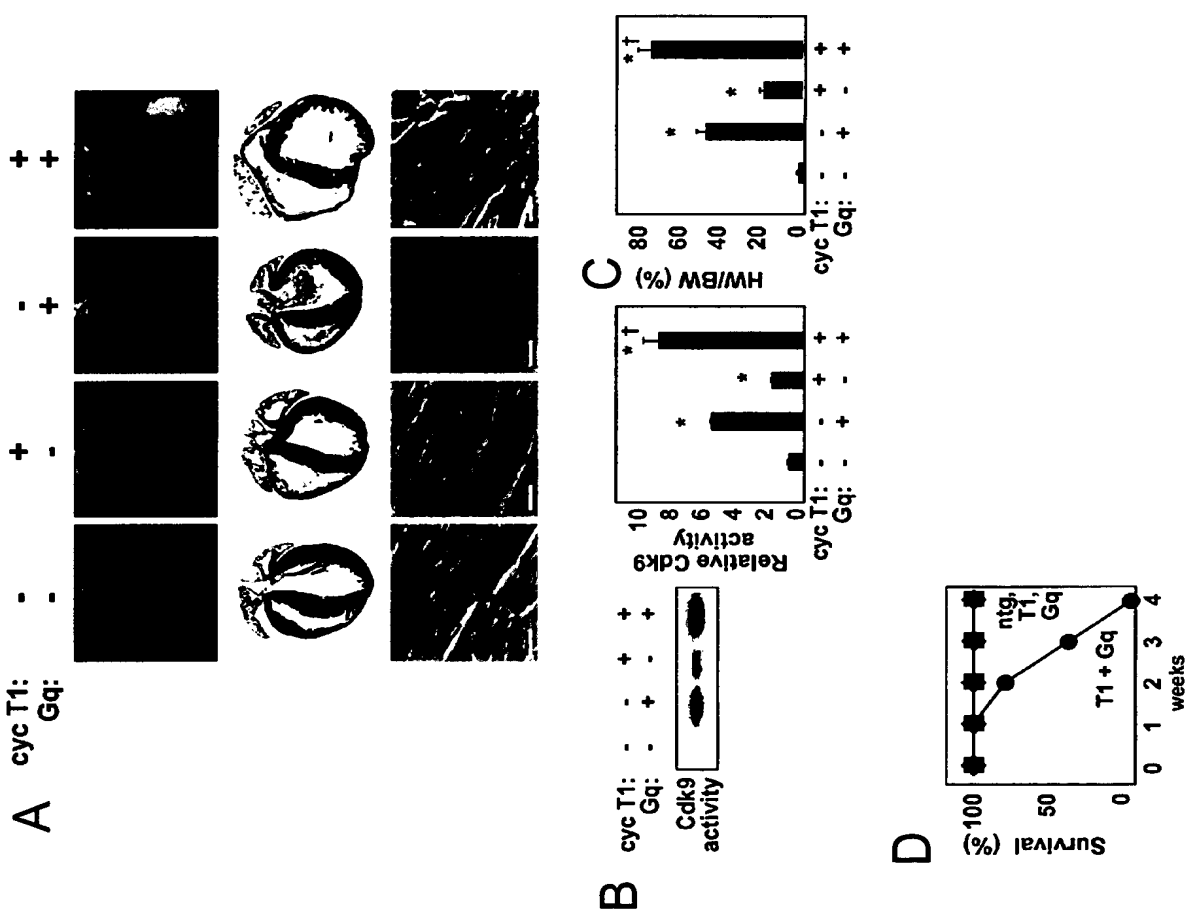


FIG. 5

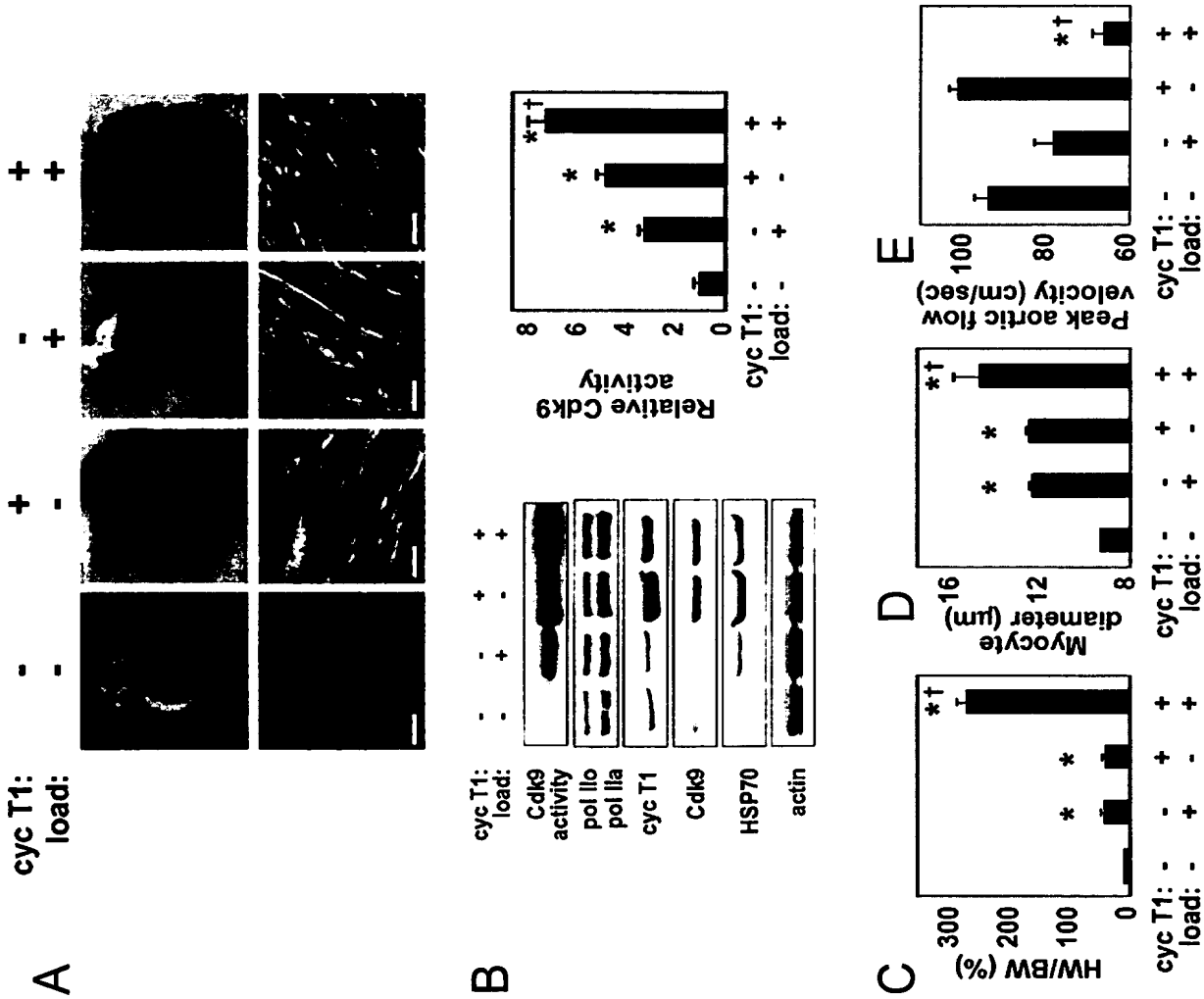
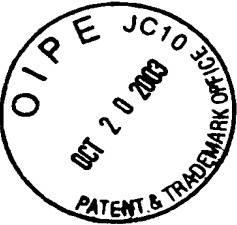
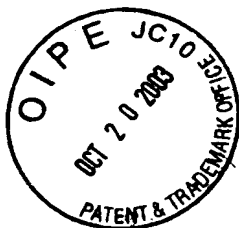


FIG. 6



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cyclin T1
Gq

-	-	+	+
-	+	-	+

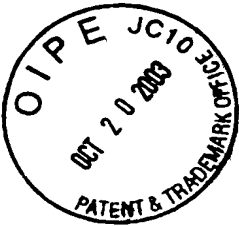
INDUCED SYNERGISTICALLY BY CYCLIN T1 + GQ:

26S proteasome-associated pad1 homolog aldohyde dehydrogenase family 1, subfamily A1 annexins A1, A3 BCL2/adenovirus E1B 19 kDa-interacting protein 1, NIP3 casein kinase 1, δ CD44 antigen ceruloplasmin chloride intracellular channel 4 (mitochondrial) connective tissue growth factor cytochrome P450 1b1, benzofuranthrene inducible cytokine receptor-like factor 1 DEAD (Asp-Glu-Ala-Asp) box polypeptide 3 DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 50 dual specificity phosphatase 6 elastin endothelin 1 fibroblast growth factor inducible 14 fibulin 2 FK506 binding protein 7 (23 kDa) growth arrest-specific 6 H3 histone, family 3B heat shock 27 kD protein 2 heparin binding epidermal growth factor-like growth factor HIV type 1 enhancer binding protein 1 hypoxia inducible factor 1 α insulin-like growth factor binding protein 7 integrin $\beta 5$ lipocalin 7 LPS-induced TN factor lysyl oxidase metallothionein 1 myomesin 2 myosin light chain, alkali, cardiac atria	nestin NIMA-related kinase 7 nuclear protein 1 PDZ and LIM domain 3 peptidylprolyl isomerase C peroxiredoxin 4 phosphatidylinositol-4-phosphate 5-kinase, type 1 α phosphofructokinase, platelet phospholipase A2, group IVA procollagen, type V, $\alpha 2$, type VIII, $\alpha 1$ proline 4-hydroxylase, $\alpha 1$ prolyl 4-hydroxylase, β polypeptide prostaglandin I2 (prostacyclin) synthase quaking ras homolog gene family, member J RAS p21 protein activator 3 reelin Rho-associated coiled-coil forming kinase 2 ribonuclease, RNase A family 4 RNA polymerase I associated factor, 53 kD S100 calcium binding protein A6 (calicyclin) sarcoglycan, β scavenger receptor class B, member 2 serpin, clade E, members 1, 2 serpin, clade F, member 1 SH3-binding domain glutamic acid-rich protein like spemidine/apermine N1-acetyl transferase thrombospondin 1 tissue inhibitor of metalloproteinase 3 transforming growth factor, $\beta 1$ tropoinin 1, skeletal, slow 1 vascular cell adhesion molecule 1 WW domain-containing protein 4
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REPPRESSED SYNERGISTICALLY BY CYCLIN T1 + GQ:

3-oxoacid CoA transferase acetyl-Coenzyme A dehydrogenase, short chain aldo-keto reductase family 1, member B7 alpha-methylacyl-CoA racemase branched chain ketoacid dehydrogenase E1, β carnitine palmitoyltransferase 2 citrate synthase creatine kinase, muscle cyclin-dependent kinase inhibitor 1C (P57) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 16 dihydroliopamide branched chain transacylase E2 dihydroliopamide dehydrogenase dihydroliopamide S-acetyltransferase precursor dodecenoyl-Coenzyme A delta isomerase electron transferring flavoprotein, α enoyl coenzyme A hydratase 1, peroxisomal FK506 binding protein 4 (59 kDa) G elongation factor gap junction membrane channel protein $\alpha 1$ GrpE-like 1, mitochondrial heat shock 10 kDa protein 1 (chaperonin 10) heat shock protein, 60 kDa inner membrane protein, mitochondrial	Interferon activated gene 203 Interferon activated gene 204 isocitrate dehydrogenase 3 (NAD $^{+}$) α isocitrate dehydrogenase 3 (NAD $^{+}$) γ mitochondrial ribosomal protein L12 mitochondrial ribosomal protein L3 NADH dehydrogenase (ubiquinone) flavoprotein 2 peroxiredoxin 3 phospholipid transfer protein phytanoyl-CoA hydroxylase potassium voltage-gated channel, Shal-related family, programmed cell death 8 proteasome (prosome, macropain) 28 subunit, α retinoid X receptor γ secreted modular calcium binding protein 2 septin 4 sialyltransferase 8 (alpha-2, 8-sialyltransferase) D succinate dehydrogenase complex, subunit A succinate-Coenzyme A ligase, ADP-forming, β subunit succinate-Coenzyme A ligase, GDP-forming, β subunit tetranectin (plasminogen binding protein) transcription elongation factor A (SII), 3 translocator of inner mitochondrial membrane 44
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FIG. 7



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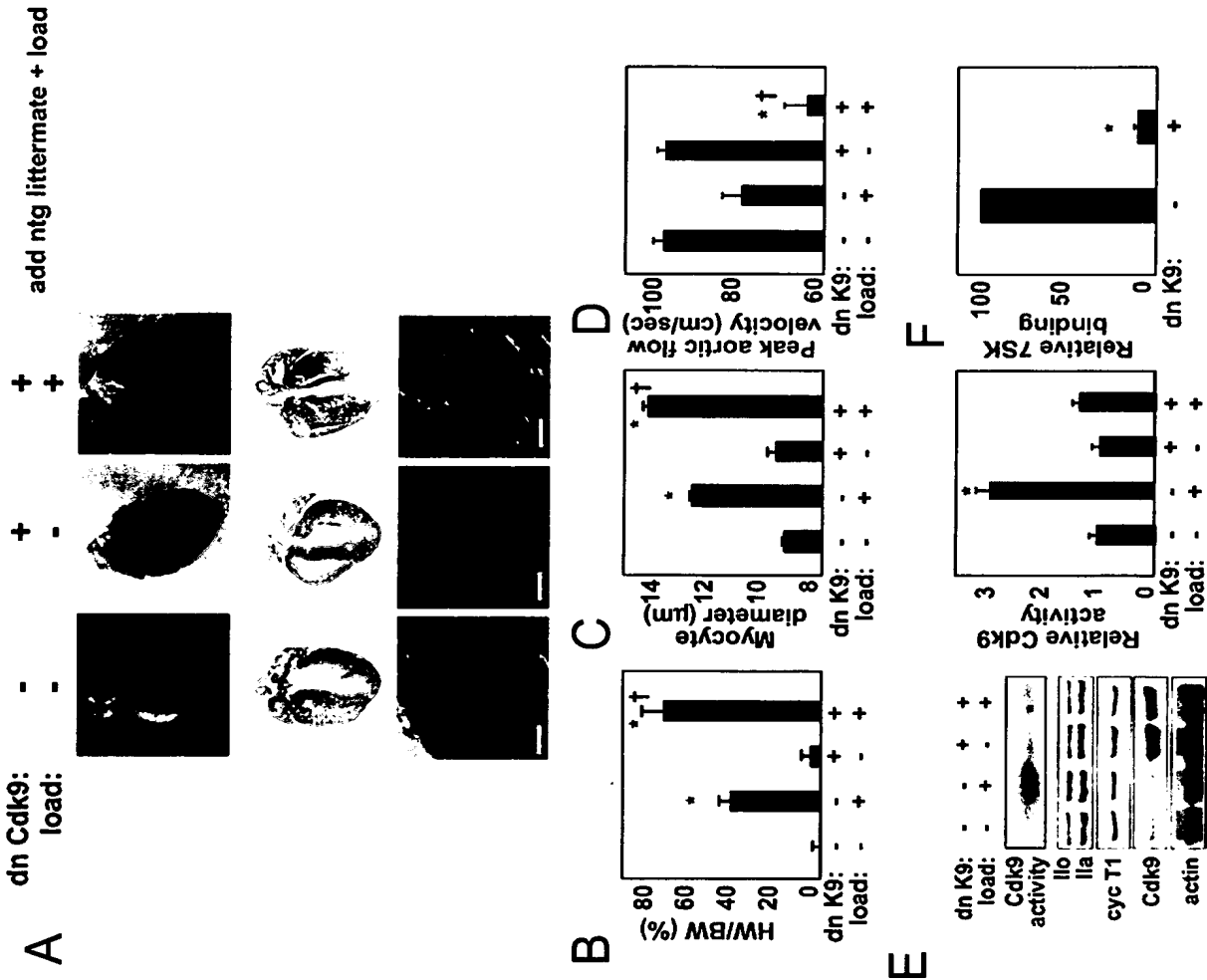


FIG. 8

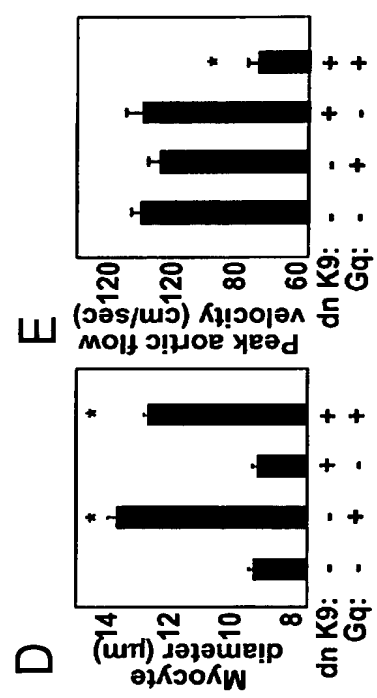
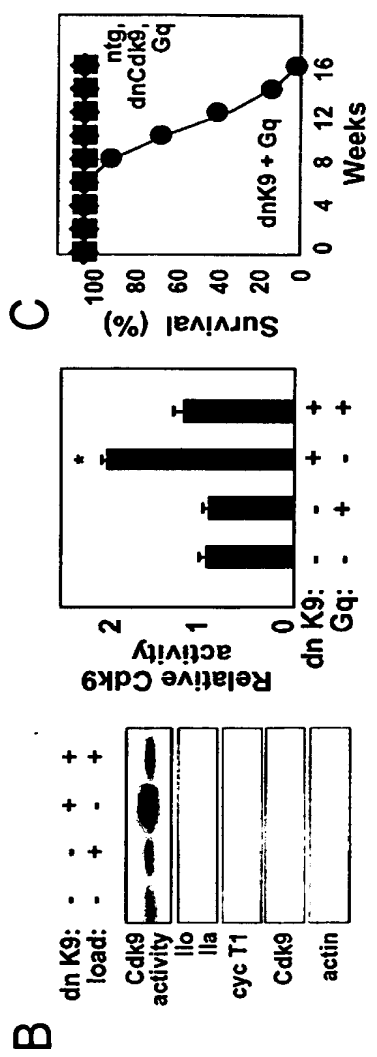
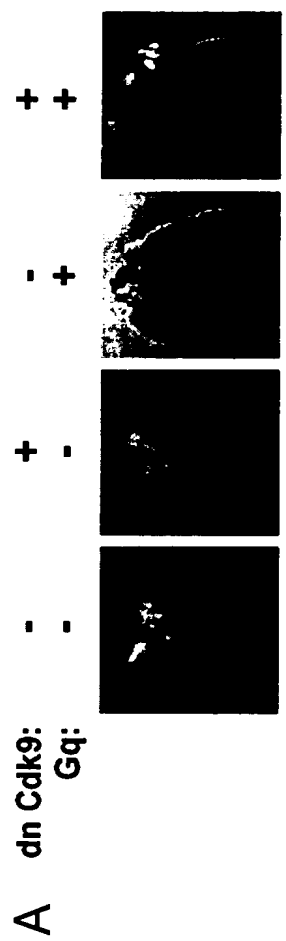
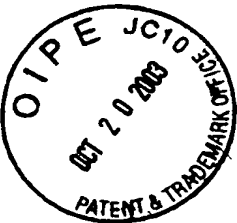


FIG. 9

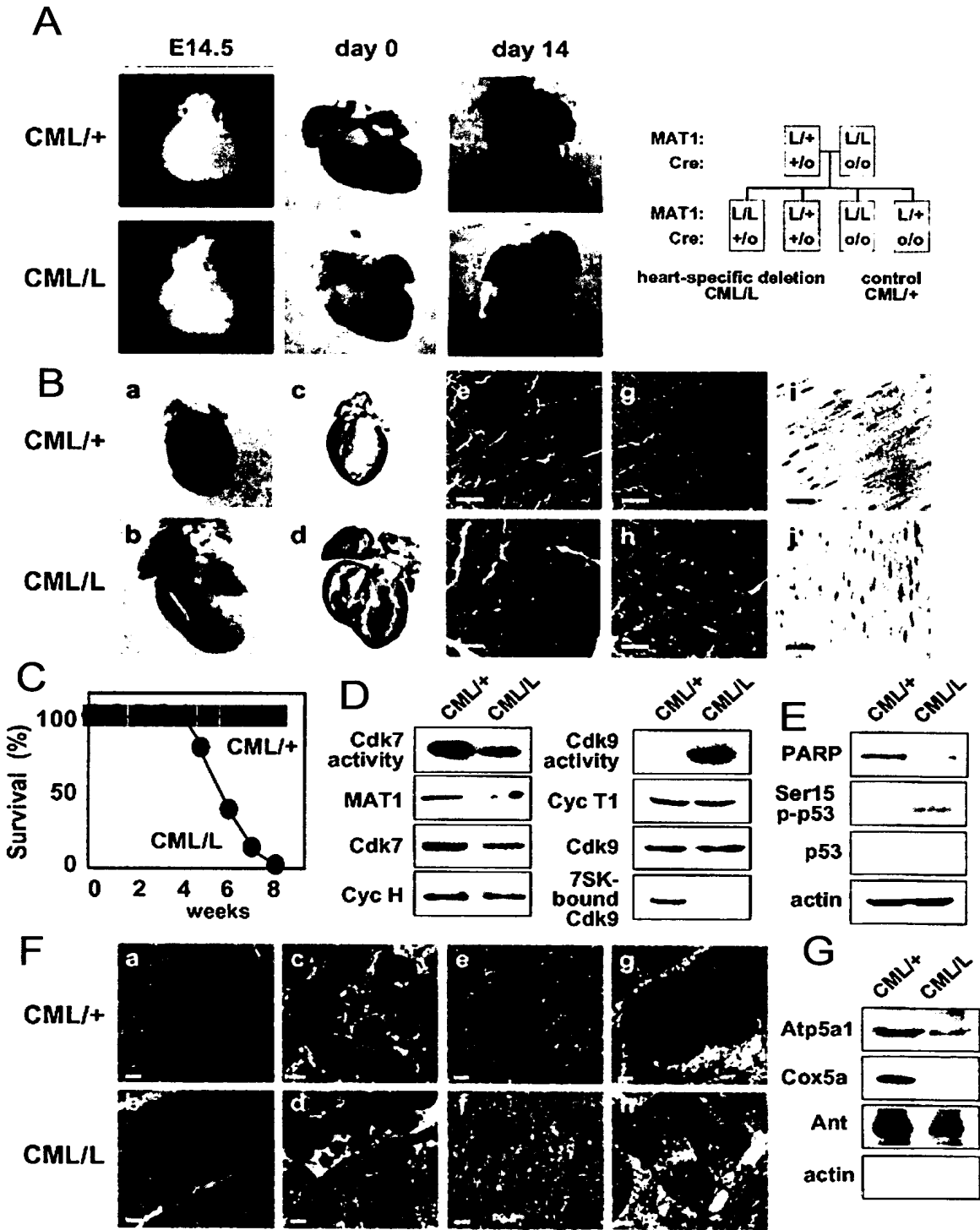
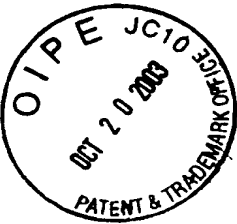
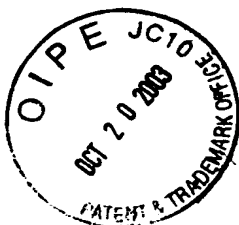


FIG. 10

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REPPRESSED AT 4 WK BY CARDIOMYOCYTE-SPECIFIC DELETION OF MAT1:

3-oxoacid CoA transferase
acetyl-Coenzyme A dehydrogenase, short chain
BCL2/adenovirus E1B 19 kDa-interacting protein 1, NIP3
bone morphogenetic protein 7
branched chain ketoacid dehydrogenase E1, beta
cacharin 13
calcium channel, voltage-dependent, T type, alpha 1G
carnitine deficiency-associated gene expressed in ventricle 1
catechol-O-methyltransferase
citrate synthase
cub-like 1 (Drosophila)
cytochrome c oxidase, subunit VIIa 1
DEADM (Asp-Glu-Ala-Asp/His) box polypeptide 16
deleted in polyposis 1
dihydrofolamide branched chain transacylase E2
dihydrofolamide dehydrogenase
dodecenoyl-Coenzyme A delta isomerase
electron transferring flavoprotein, alpha
enoyl coenzyme A hydratase 1, peroxisomal
enoyl Coenzyme A hydratase, short chain, 1, mitochondrial
fibroblast activation protein
FKBP6 binding protein 4 (59 kDa)
four and a half LIM domains 2
fumarate hydratase 1
G elongation factor
gap junction membrane channel protein alpha 1
heat shock 10 kDa protein 1 (chaperonin 10)
heat shock protein, 60 kDa
histidine rich calcium binding protein
interferon activated gene 203
isoprenoid related homeobox 3 (Drosophila)
isocitrate dehydrogenase 3 (NAD+) alpha
isocitrate dehydrogenase 3 (NAD+), gamma
isovaleryl coenzyme A dehydrogenase
kdt ligand

lipin 1
lipocalin 7
metal response element binding transcription factor 2
methionine 1
methylmalonyl-Coenzyme A mutase
mitochondrial ribosomal protein L12
mitochondrial ribosomal protein L34
myeloid leukemia factor 1
myomesin 2
NADH dehydrogenase (ubiquinone) flavoprotein 2
p300/CBP-associated factor
peroxiredoxin 3
phosphofructokinase, liver, B-type
phospholipid transfer protein
phytanoyl-CoA hydroxylase
plasma membrane associated protein, 63-12
potassium voltage-gated channel, Shal-related family, 2
programmed cell death 8
profilin
prostaglandin D2 synthase (21 kDa, brain)
proteasome (prosome, macropain) 28 subunit, alpha
RAI1 guanine nucleotide release factor
retinoid X receptor gamma
sequestosome 1
slatyltransferase 8 (alpha-2, 8-slatyltransferase) D
thiolase/enoyl-Coenzyme A hydratase, beta subunit
titin 2 (titin mating type information regulation 2, homolog) 3
succinate dehydrogenase complex, subunit 1A
succinate-Coenzyme A ligase, GDP-forming, beta subunit
thyroid hormone responsive SPOT14 homolog (Rattus)
transcription elongation factor A (SII), 3
transforming growth factor, beta induced, 68 kDa
translocator of inner mitochondrial membrane 44
ubiquinol-cytochrome c reductase core protein 1
vascular endothelial growth factor B

INDUCED AT 4 WK BY CARDIOMYOCYTE-SPECIFIC DELETION OF MAT1:

26S proteasome-associated pad1 homolog
5' nucleotidase, ecto
a disintegrin and metalloproteinase domain 9
actinin, alpha 1
acyl-Coenzyme A thioesterase 2, mitochondrial
acyl-Coenzyme A thioesterase 3, mitochondrial
aldehyde dehydrogenase family 1, subfamily A1
anxinin A1
anxinin A3
ariadne homolog 2 (Drosophila)
biglycan
calcium and integrin binding 1 (calmyrin)
cardiac morphogenesis
casein kinase 1, delta
CD24a antigen
CD63 antigen
CD61 antigen
chaperonin subunit 9 (theta)
chloride intracellular channel 4 (mitochondrial)
chondroitin sulfate proteoglycan 2
coagulation factor II (thrombin) receptor
connective tissue growth factor
CREBBP/PRP40 inhibitory protein 1
cyclin-dependent kinase inhibitor 1A (P21)
cysteine rich intestinal protein
cysteine rich protein
cytokine receptor-like factor 1
cytotoxic T lymphocyte-associated protein 2 alpha
DEADM box polypeptide 50
deiodinase, iodothyronine, type II
diaphorase 1 (NADH)
dihydropyrimidinase-like 3
elastin
enabled homolog (Drosophila)
epidermal growth factor pathway substrate 15
epithelial membrane protein 1
fibulin 2
fibulin-like
four and a half LIM domains 1
glutamine synthetase
glutathione peroxidase 3
glycogenin 1
granulin
GrpE-like 1, mitochondrial
H3 histone, family 3B
heat shock 27kD protein 2
heat shock 70 kDa protein 4
heparin-binding epidermal growth factor
histone H3
HIV-1 Rev binding protein
hypoxia inducible factor 1, alpha subunit
IK cytokine
inhibitor of DNA binding 2
insulin-like growth factor binding protein 7
insulin-like growth factor I receptor
integrin alpha 6 (fibronectin receptor alpha)
integrin beta 4 binding protein
integrin beta 5
integrin linked kinase
interferon-related developmental regulator 1
lamin A
low-density lipoprotein receptor-related protein 10
LPS-induced TN factor
lysoyl oxidase

MAP kinase-interacting serine/threonine kinase 2
matrix gamma-carboxyglutamate (gla) protein
mosesin
myosin, heavy polypeptide 7, cardiac muscle, beta
myotrophin
neatin
neurturin
Niemann Pick type C2
NS1-associated protein 1-like
nuclear cap binding protein subunit 2, 20kDa
nuclear factor I/X
nuclear protein 1
ornithine decarboxylase antizyme inhibitor
osteoblast specific factor 2 (osteoblast-like)
paraoxonase 2
PDZ and LIM domain 3
phosphofructokinase, platelet
phospholipid transfer protein, beta
polyphosphatase 1
procollagen C-proteinase enhancer protein
procollagen, type I, alpha 2
procollagen, type IV, alpha 6
procollagen, type V, alpha 2
procollagen, type VII, alpha 1
programmed cell death 8 interacting protein
prolyl 4-hydroxylase, beta polypeptide
prostaglandin I2 (prostacyclin) synthase
protein phosphatase 1A, Mg dependent, alpha
protein tyrosine phosphatase, non-receptor type 21
quaking
ras homolog gene family, member J
RAS p21 protein activator 3
reelin
retinol binding protein 1, cellular
RNA binding motif protein 4
RNA polymerase I associated factor, 53 kD
S100 calcium binding protein A10 (calpactin)
S100 calcium binding protein A11 (calizzarin)
S100 calcium binding protein A18
S100 calcium binding protein A6 (calcylin)
secreted modular calcium binding protein 2
serpin, clade B, member 6
serpin, clade E, member 1
serpin, clade E, member 2
serpin, clade F, member 1
serine protease inhibitor 6
serine/threonine kinase 2
slatyltransferase 10
slat associated polypeptide, 30kD
Son of sevenless homolog 1 (Drosophila)
spermidine permease N1-acetyl transferase
sphingosine phosphate lyase 1
talin
thrombospondin 1
tissue factor pathway inhibitor
tubby like protein 4
tubulin, alpha 1
tubulin, beta 2
ubiquitin 1
ubiquitin carboxyl-terminal esterase L5
ubiquitin carboxyl-terminal hydrolase L1
UDP-glucose dehydrogenase
uridine-cytidine kinase 2

FIG. 11